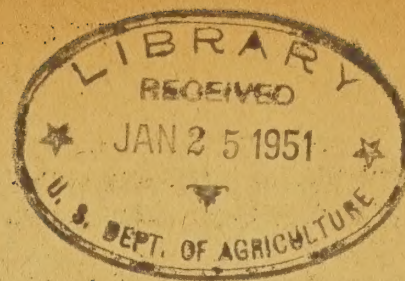


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★ TEMPORARY

List of

SLIDE FILMS

of the

U. S. DEPARTMENT OF AGRICULTURE

October 1950

INFORMATION FOR PURCHASERS OF SLIDEFILMS

This catalog brings you prices of slidefilms of the United States Department of Agriculture. Titles are listed in alphabetical order according to topic; topics are shown in the Contents. Slidefilms are listed numerically on pages 22, 23, and 24. Some slidefilms have been made in double-frame size and are so indicated when available.

Slidefilms of the United States Department of Agriculture cover many phases of agriculture and home economics. They are designed for use in teaching better farm and home practices. Most of them are prepared cooperatively by the Extension Service and the various subject-matter bureaus of the Department. The Department bureaus credited with the slidefilms listed in this catalog are indicated by initials, in parentheses, according to the following key:

AAA	Agricultural Adjustment Agency.
AIC	Agricultural and Industrial Chemistry (Bureau of).
BAE	Bureau of Agricultural Economics.
BAI	Bureau of Animal Industry.
BDI	Bureau of Dairy Industry.
EPQ	Entomology and Plant Quarantine (Bureau of).
Ext.	Extension Service.
FAR	Foreign Agricultural Relations (Office of).
FS	Forest Service.
HNHE	Human Nutrition and Home Economics (Bureau of).
Inf.	Information (Office of).
PISAE	Plant Industry, Soils, and Agricultural Engineering (Bureau of).
REA	Rural Electrification Administration.
SCS	Soil Conservation Service.
WFA	War Food Administration.

We would remind you that all slidefilms of this Department are on 35-millimeter noninflammable motion-picture film. They cannot be used in motion-picture projectors, nor can they be used in glass lantern-slide projectors of either size without adapters. They may be used in combination projectors designed to show either slidefilms or 2- by 2-inch color slides.

Slidefilms are known by several other names, such as film strips, film slides, slide films, and by private trade names. They should not be confused with motion pictures.

All the slidefilms listed in this catalog are silent, but lecture notes are furnished by the Department unless otherwise noted. In a few instances, farmers' bulletins contain all the supplemental information required.

Slidefilms are issued in single-frame, in double-frame, or in both sizes. The single-frame films may be used in any slidefilm projector. The double-frame films may be used only in projectors designed to accept them, although many extension workers cut the frames apart and mount them in 2- by 2-inch slides for use alone or in combination with the color slides they produce locally. When both sizes are listed under a particular film, be sure to specify which size is desired. The versions are identical in content. Both are on 35-millimeter-width film, and they differ only in the size of the picture itself.

Please note that prices are subject to change on July 1, 1951. Instructions for ordering are to be found below. Extension editors and other leaders are notified of the issuance of all new slidefilms. All new releases are listed in the Extension Service Review.

INSTRUCTIONS FOR ORDERING SLIDEFILMS

Read These Instructions Before Placing Your Order

When purchasing slidefilms, send your order direct to Photo Lab, Inc., 3825 Georgia Avenue NW, Washington 11, D. C.; the firm that holds the Department's contract for the year ending June 30, 1951.

The prices given in this catalog are for single copies. When 10 or more copies of any one slidefilm are ordered, slightly lower prices are charged. These quantity prices will be supplied on request. (No discount is given on orders for single copies of more than one strip.) All prices are for single-frame slidefilms unless otherwise specified.

Remit by money order or check made payable to Photo Lab, Inc., and forward direct to that firm. A money order or check should accompany each order, except in the case of large institutions which follow the practice of issuing formal business orders. However, the contractor will not carry on an open-account basis orders for less than \$3.

For information regarding slidefilms write to the Extension Service, United States Department of Agriculture, Washington 25, D. C.

IMPORTANT.-

The contractor listed above, Photo Lab, Inc., is the only organization authorized to sell slidefilms made from original material prepared in and by the United States Department of Agriculture. As slidefilms are frequently revised, orders should be placed only after the latest Department catalog has been consulted.

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SLIDEFILMS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE
(Black and white)

AGRICULTURAL ECONOMICS

Conditioning and cleaning seed cotton. No. 512. Released January 1939.
(PISAE; BAE; Ext.) For description of slidefilm, see AGRICULTURAL
ENGINEERING. (62 frames, \$0.65.)

Gins and ginning. No. 513. Released December 1938. (PISAE; BAE; Ext.)
For description of slidefilm, see AGRICULTURAL ENGINEERING. (56
frames, \$0.65.)

AGRICULTURAL ENGINEERING

Bringing an old Wisconsin farmhouse up to date. No. 354. Released January
1935. (PISAE; Univ. Wis.; Ext.) At small cost a dairy-farm family
made over, from foundation to roof, an old timber house with lumber
from their own woods and now live in a comfortable modern dwelling.
(45 frames, \$0.60.)

Care and repair of farm machinery. No. 628. Released March 1942. (Mo.
Ext. Serv. and Fed. Ext.) This slidefilm consists of a series of
illustrated charts, prepared by the Missouri Extension Service. As
these charts are self-explanatory, no lecture notes were issued.
(49 frames, \$0.60.)

Conditioning and cleaning seed cotton. No. 512. Released January 1939.
(PISAE; BAE; Ext.) This slidefilm (see also No. 513) shows the need
of proper picking and drying of cotton to preserve its natural value.
Drawings and photographs show types of drying and cleaning equipment
in use. (62 frames, \$0.65.)

Farm water supply. No. 104. Revised November 1937. (PISAE; Ext.) Drawings,
readers, photographs, show sources of water supply, how it can be made
available for stock and home, and aids in keeping it clean. (48
frames, \$0.60.)

Gins and ginning. No. 513. Released December 1938. (PISAE; BAE; Ext.) This
slidefilm (see also No. 512) shows progressive improvements in ginning
devices from earliest times and how modern ginning, which involves
drying, extracting, and cleaning, affects the appearance of lint and
its market value. Drawings and photographs show types of equipment in
use. (56 frames, \$0.65.)

History and development of agricultural implements and machinery. No. 335.
Revised June 1942. (PISAE; Ext.) Depicts the history and development
of farm implements and machinery used in American agriculture from be-
fore 1850 to the early part of the twentieth century. Although the
scope of this slidefilm illustrates the development of but a few farm
implements, an attempt was made to indicate some changes that have
taken place in plows, cultivators, planters, seeders, grain harvesters,
and threshing machines. (54 frames, \$0.65.)

Hog houses and equipment. No. 53. Revised March 1940. (BAI; Ext.) For description of slidefilm, see LIVESTOCK, Swine. (30 frames, \$0.60.)

Use of logs in farm buildings, The. No. 648. Released June 1944. (PISAE; Ext.) The use of logs in building construction, which was well understood by the pioneers, has been revived within the past decade. The present shortage of building materials and skilled workmen suggests a greater use of local resources to conserve critical work materials. Logs can be utilized for most farm buildings. Careful chinking helps to make the interior warm in winter, cool in summer, and also dry. Photographs of structures that have been built furnish helpful suggestions for the effective use of logs. (50 frames: Single, \$0.60; double, \$1.)

DAIRYING

Dairy herd improvement association, The; identification and permanent record program. No. 554. Released January 1939. (BDI; Ext.) Positive identification of animals is necessary in order to trace family lines for possessors of superior inheritance. The tester eartags animals and records his findings with the United States Bureau of Dairy Industry. (38 frames, \$0.60.)

Feeding and care of the dairy calf. No. 623. Released March 1942. (BDI; Ext.) The housing, health, feeding, training, and earmarking of the dairy calf, from its birth to vigorous development, are shown in detail in this well-arranged slidefilm of pictures and charts. (49 frames, \$0.60.)

Marketing feeds through dairy cows. No. 379. Released August 1935. (BDI; Ext.) Types of cows and how to determine their value, and kinds and value of feeds. (31 frames, \$0.60.)

Production of high-quality cream for butter making. No. 429. Released September 1937. (BDI; Ext.) Clean practices in milking, clean farm surroundings, prompt cooling, and frequent delivery assure high-quality cream. (30 frames, \$0.60.)

Save work in doing dairy chores. No. 674. Based on Vermont Agricultural Experiment Station Bulletin 503. Released March 1947. (Ext.) This is a story of how one Vermont farmer studied the way he was doing his dairy-barn chores and, as a result, was able to make improvements that saved 2 hours and 5 minutes of time daily and 2 miles of walking. (59 frames: Single, \$0.65; double, \$1.25.)

Some methods of estimating milk quality by bacterial tests. No. 170. Revised February 1939. (BDI; Ext.) We see steps in three tests for estimating bacteria in milk and counting colonies. Utensils and surroundings must be clean to assure high-quality milk. (49 frames, \$0.60.)

Some principles of breeding demonstrated with the herediscope. No. 278.

Revised May 1942. (BDI; Ext.) Designed to aid extension workers in applying in a practical way some of the fundamental laws of heredity that have been little understood by dairy-cattle breeders. This slidefilm should be used only in connection with the herediscope, a device designed by R. R. Graves, of the Bureau of Dairy Industry. (40 frames, \$0.60.)

EXTENSION WORK

General

County agent, The. No. 654. Released October 1944. (Ext.) Intended especially for persons unfamiliar with the educational program of the Department of Agriculture, administered through the Extension Service. The aim of this slidefilm is to acquaint them with the county agent and his work. It describes in brief his agricultural background and who he is, and illustrates in general his activities in helping farmers to solve their problems. His influence on the people in the county as a leader in rural affairs is emphasized. As a typical example of a county agent and his work, we have chosen County Agent McVean, of Kent County, Md., though a few pictures of other county agents are included. (64 frames: Single, \$0.65; double, \$1.25.)

Exhibit ideas. No. 631. Released April 1942. (Ext.) Made up of photographs of exhibits that are analyzed and criticized in the lecture notes. The slidefilm is not intended for use before audiences, but rather for self-improvement and planning on the part of agents. Study of Department of Agriculture Miscellaneous Publication 634 - Educational Exhibits - in connection with this slidefilm will aid agents in planning effective but inexpensive exhibits. (37 frames, \$0.60.)

Farm forestry extension in the United States. No. 393. Released February 1936. (FS; Ext.) Growing forest trees on farm woodlands under direction of State extension foresters and county agents offers a variety of possible benefits. (69 frames, \$0.70.)

Home-grown food: Production, preservation. No. 663. Released October 1945. (Ext.) Depicts the great variety of ways in which farm and urban families have responded to the Nation's call for increased food production and home food preservation in accordance with recent research findings. The scope of the national food program is indicated in this discussion of results, as described in extension agents' reports submitted annually to the U. S. Department of Agriculture. (64 frames: Single, \$0.65; double, \$1.25.)

4-H Club Activities

National 4-H Club camp, The. No. 679. Released August 1947. (Ext.) Depicts high lights of the seventeenth National 4-H Club Camp, held in Washington, D. C. (35 frames, double, \$0.90.)

Home Demonstration Work

Convenient storage spaces, a joy to the farm family. No. 408. Released November 1936. (Oreg. Agr. Col.; HNHE; Ext.) Several kinds of closets and other storage rooms and equipment not only save time and work in the home but add comfort as well. This slidefilm carries a floor plan for a house well equipped with storage space. (62 frames, \$0.65.)

Finding minutes. No. 638. Released April 1943. (Fed. Ext. and N. J. Ext. Serv.) A slidefilm made up of drawings. If you are losing time and zest in your homemaking, the first drawings remind you where you may be at fault; the rest show that planning your work and knowing the right thing to do - be it large or small and done indoors or out - free you for health, leisure, and fellowship. (43 frames: Single, \$0.60; double, \$1.)

Planning our family life. No. 587. Revised September 1944. (Ext.) Where each in a family group shares equally in planning for the farm, home, and family, the problems of everyday life are solved cooperatively, and the children learn their relationship and responsibilities to their community and nation. (59 frames, \$0.65.)

Simple way to iron a shirt, A. No. 649. Released June 1944. (Fed. Ext. and N. Y. Ext. Serv.) Presents a quick, simple method of ironing men's shirts which requires much less time than the usual methods. Improve the looks of the shirt by proper washing; loosen the soil by mild bleaching of soiled areas and light scrubbing with soap and brush. Convenient ironing equipment produces a minimum of fatigue, and eliminating extra movements increases output. Folding shirts adds to appearance and conserves drawer space. (44 frames: Single, \$0.60; double, \$1.)

Step by step in everyday tasks. No. 643. Released November 1944. (Fed. Ext. and Washington State Ext. Serv.) No one can afford to spend all day doing housework, or neglect it too much because of outside activities. A good manager works quickly and easily, gets the job done, and has time left for other things. There is a short and easy way to do every task. Unnecessary motions and steps need to be eliminated. The correct way of doing the job must be put into practice. (60 frames: Single, \$0.65; double, \$1.25.)

FARM LABOR

Labor efficiency on the farm. No. 630. Released March 1943. (Ext.) In major jobs and in minor details of farm work, know how to make best use of the worktime of hired helpers and of your own the year round. Plan your work; make work light and save time; save lost motion of men and equipment; grow crops to yield high; handle labor intelligently. (48 frames: Single, \$0.60; double, \$1.)

Learning about farm jobs from pictures. No. 652. Released June 1944. (Ext.) How to do a farm job is a local decision. This slidefilm will help you to decide about the farm jobs of your area. Shows how pictures may be used with job instruction. Concentrate on a few main points. Fit the pictures to the needs. Emphasize the key points. Discuss the principal steps. Show the whole process. Contrast the right and wrong ways. Compare two different methods. Use pictures in connection with job instruction. (50 frames: Single, \$0.60; double, \$1.)

FARMING (General)

American farm home life. No. 669. Released June 1946. (Ext.) Designed to give a general conception of modern home life on the farm as it may be found throughout the country. Supersedes No. 270. (62 frames, \$0.65.)

Farm to fit your land. No. 676. Released June 1947. (SCS; Ext.) Helps to depict the best use and treatment of land for practical purposes; classifies the land according to what it can produce best and still retain its productivity. (62 frames: Single, \$0.65; double, \$1.25.)

Irrigation—lifeblood of the West. No. 680. Released December 1947. (SCS; Ext.) Shows the history and development of agriculture in the West and its value in converting the arid and semiarid land of this area into prosperous and productive farms. (56 frames: Single, \$0.65; double, \$1.25.)

Is farming for me? No. 664. Released July 1945. (Inf.; Ext.) Prepared to give servicemen, veterans, and others who may want to farm, a glimpse of what farm life is like. Since many important factors should be considered, the purpose of this presentation is to help prospective farmers decide whether to farm or not and direct them to sources of practical information on the subject. (54 frames, \$0.65.)

FIELD CROPS

Cereals

Hessian fly and its control, The. No. 407. Revised June 1947. (EPQ; Ext.) For description of slidefilm, see INSECTS, Crop Insects. (33 frames: Single, \$0.60; double, \$0.90.)

Treat seed grain. No. 459. Released January 1938. (PISAE; Ext.) For description of slidefilm, see PLANT DISEASES. (56 frames, \$0.65.)

Cotton

Conditioning and cleaning seed cotton. No. 512. Released January 1939. (PISAE; BAE; Ext.) For description of slidefilm, see AGRICULTURAL ENGINEERING. (62 frames, \$0.65.)

Facts about cotton and southern farming. No. 666. Released March 1946. (Fed. Ext. and Ext. Serv. of Cotton States.) Presents graphs showing cotton problems of today. No lecture notes; the slidefilm is self-explanatory. (63 frames, double, \$1.25.)

Gins and ginning. No. 513. Released December 1938. (PISAE; BAE; Ext.) For description of slidefilm, see AGRICULTURAL ENGINEERING. (56 frames, \$0.65.)

Grasses and Haymaking

Frontiers of grass; a story of the western range. No. 585. Released December 1939. (AAA; Ext.) For description of slidefilm, see SOIL CONSERVATION, Regional. (64 frames, \$0.65.)

FIRE PREVENTION AND CONTROL

Prevent farm fires. No. 642. Released October 1944. (Ext. and Purdue Univ., coop.) A challenge to you! Help to reduce the annual fire loss in your county by fireproof construction; replacements, not patches; approved wiring. Twenty percent of the fires are caused by human beings through carelessness with matches, cleaning fluids, and other combustible materials. Eliminate fire hazards, inside and out. They are costly. (38 frames: Single, \$0.60; double, \$1.)

FORESTRY

Community forests, a local asset. No. 604. Released January 1941. (FS; Ext.) A pre-Revolutionary community forest has been a valuable asset from the start. Such forests in a number of States now yield profit, employment, and recreation. (79 frames: Single, \$0.70; double, \$1.50.)

Famous trees in the United States. No. 507. Released January 1939. Lecture notes slightly revised. (FS; Ext.) Trees that commemorate events in history and life, trees noted for size or age or unusual form, trees planted by far-sighted early national leaders. (80 frames, \$0.70.)

- Farm and the farm woods, The. No. 622. Released January 1942. (SCS; Ext.)
For description of slidefilm, see SOIL CONSERVATION, General. (48
frames: Single, \$0.60; double, \$1.)
- Farm forestry extension in the United States. No. 393. Released February 1936.
Ext.; FS) For description of slidefilm, see EXTENSION WORK, General.
(69 frames, \$0.70.)
- Farm forestry in the South. No. 447. Released September 1937. (FS; Ext.)
Good practices in farm woodland management pay. Various trees may be
profitably grown. (64 frames, \$0.65.)
- Forestry and human welfare. No. 506. Released April 1938. (FS) Forests con-
tribute to the grazing of livestock and provide game, water supply, and
recreation. (59 frames, \$0.65.)
- Production of maple syrup, The. No. 632. Released February 1948. (Ext.) For
description of slidefilm, see MISCELLANEOUS. (59 frames: Single,
\$0.65; double, \$1.25.)
- Southern pines pay. No. 595. Released July 1940. (FS; Ext.) Idle land may
be turned to profit by planting to pines that yield turpentine, timber,
and other crops within a few years. Protect stands against fire.
(50 frames, \$0.60.)
- Tree planting and land use. No. 620. Released November 1941. (SCS; Ext.)
For description of slidefilm, see SOIL CONSERVATION, General. (54
frames: Single, \$0.65; double, \$1.25.)
- Use of logs in farm buildings, The. No. 648. Released June 1944. (PISAE; Ext.)
For description of slidefilm, see AGRICULTURAL ENGINEERING. (50 frames:
Single, \$0.60; double, \$1.)

HOME ECONOMICS

- Canning chicken. No. 658. Released March 1945. (Ext.; HNHE) Shows how to
can poultry according to the methods recommended by the Bureau of Human
Nutrition and Home Economics, and also demonstrates a quick and simple
way to cut up a bird. All photographs were made in the experimental
laboratories of the Bureau and represent the how-to-do-it steps based on
the Bureau's research. (45 frames: Single, \$0.60; double, \$1.)
- Canning fruits and tomatoes. No. 660. Released June 1945. (HNHE; Ext.) This
slidefilm is in two parts. Following introductory pictures of equipment,
Part 1 shows how to can a fruit, illustrating step by step with peaches,
according to the method recommended by the Bureau of Human Nutrition and
Home Economics. Part 2 shows how to can tomatoes by the same method.
Other acid vegetables canned the same way are pickled beets, sauerkraut,
and ripe pimiento peppers. All photographs were made in the experimental
laboratories of HNHE. (49 frames, double, \$1.)

Canning meat. No. 659. Released June 1945. (Ext.; HNHE) Shows how to can meat according to methods recommended by the Bureau of Human Nutrition and Home Economics. All photographs were made in the experimental laboratories of the Bureau, and represent the how-to-do-it based on the Bureau's latest research. (40 frames: Single, \$0.60; double, \$1.)

Canning vegetables the steam-pressure way. No. 661. Released June 1945. (HNHE; Ext.) How to can snap beans according to the method recommended by the Bureau of Human Nutrition and Home Economics is shown step by step in this slidefilm. All vegetables, except tomatoes and pickled beets, are canned this way. The photographs were made in the laboratories of HNHE, and follow the method described in AIS-64—Home Canning of Fruits and Vegetables. This leaflet, issued by the United States Department of Agriculture, includes timetables and other printed directions as well as many of the pictures shown in this slidefilm, so that home canners may have them for inspection and ready reference. (32 frames; double, \$0.90.)

Convenient storage spaces, a joy to the farm family. No. 408. Released November 1936. (Oreg. Agr. Col.; HNHE; Ext.) For description of slidefilm, see EXTENSION WORK, Home Demonstration Work. (62 frames, \$0.65.)

Cooking meat according to the cut. No. 314. Revised May 1947. (HNHE; BAI; Ext.) Because of its great popularity, this slidefilm has been revised for better presentation. It illustrates methods of cooking various cuts of meat so as to conserve food value and bring out flavor to the fullest extent. (54 frames, \$0.65.)

Cooking poultry, older birds. No. 561. Released April 1939. (HNHE; Ext.) Steps in braising, casseroles, steaming, and stewing older birds; suggestions for typical dishes. (38 frames, \$0.60.)

Cooking poultry, young birds. No. 560. Released April 1939. (HNHE; Ext.) Shows steps in broiling, pan frying, French frying roasting chickens, and how to cook other young birds. (51 frames, \$0.65.)

Frozen-food lockers and your food supply. No. 586. Released September 1940. (BAI; Ext.) Home-raised food makes your income reach. Freeze and store this food, properly wrapped, to keep fresh throughout the year in a locker plant of sound construction. The slidefilm carries a floor plan for a complete locker plant and shows types of lockers, a homemade freezer chest, details of construction of a locker plant, and how to grow and prepare plant and animal foods to freeze best. (63 frames, \$0.65.)

Home-grown food: Production, preservation. No. 663. Released October 1945. (Ext.) For description of slidefilm, see EXTENSION WORK, General. (64 frames: Single, \$0.65; double, \$1.25.)

Simple way to iron a shirt, A. No. 649. Released June 1944. (Fed. Ext. and N. Y. Ext. Serv.) For description of slidefilm, see EXTENSION WORK, Home Demonstration Work. (44 frames: Single, \$0.60; double, \$1.)

Slip covers for straight chairs. No. 592. Released October 1940. (HNHE; Ext.) Shows in detail how to measure for amount of material needed; how to choose fabrics; how to cut, fit, and finish. (64 frames, \$0.65.)

Slip covers for upholstered chairs. No. 591. Released October 1940. (HNHE; Ext.) We see how to measure two types of these chairs for amount of material needed; select fabric; cut, fit, trim, finish, make and use patterns. (65 frames, \$0.70.)

Step by step in everyday tasks. No. 643. Released November 1944. (Fed. Ext. and Washington State Ext. Serv.) For description of slidefilm, see EXTENSION WORK, Home Demonstration Work. (60 frames: Single, \$0.65; double, \$1.25.)

HORTICULTURE

General

Propagation of trees and shrubs by vegetative means. No. 600. Released November 1940. (PISAE; Ext.) This means of propagation insures true perpetuation. Use stolons, layers, cuttings, grafts, buds, sprouts, or rootstocks, as shown. (47 frames, \$0.60.)

Gardening

Back-yard vegetable garden, A. No. 657. Released March 1945. (PISAE) Takes one through the process of growing vegetables in a 30- by 50-foot plot in the back yard of a small suburban home. The slidefilm covers selecting the site; planning the garden; spading and preparing the ground; planting, thinning, and staking tomatoes and beans; cultivating, irrigating, and succession cropping. A section on making compost is also included. (60 frames: Single, \$0.65; double, \$1.25.)

Flower gardens. No. 500. Released April 1938. (PISAE; Ext.) Pictures of informal, formal, and special gardens enlist our enthusiasm to try our hand at flower gardening. (64 frames, \$0.65.)

Gardening cartoons, a dozen "don'ts" for gardeners. No. 633. Released April 1942. (Ext.) Reproduction of the cartoons that appeared in the March 1, 1942, issue of Consumers' Guide, including the caption under each cartoon and a garden plan. No lecture notes. (16 frames, double, \$0.90.)

Home-grown food: Production, preservation. No. 663. Released October 1945. (Ext.) For description of slidefilm, see EXTENSION WORK, General. (64 frames: Single, \$0.65; double, \$1.25.)

Home-grown plants for transplanting. No. 656. Released January 1945. (PISAE)
Many gardeners in town, city, and on the farm will find it advantageous to grow their own plants for setting out. This slidefilm shows in close-up detail, step by step, the various operations and tricks of the process --preparing the soil, putting it in boxes, treating seed, planting seed, caring for the young plants, transferring them to flats, cups, and pots, and finally setting them out. (37 frames: Single, \$0.60; double, \$1.)

Insect pests of garden vegetables and their control. No. 503. Released April 1938. (EPQ; Ext.) For description of slidefilm, see INSECTS, Crop Insects. (63 frames, \$0.65.)

New gardener, The. No. 641. Released April 1943. (Fed. Ext. and N. C. Ext. Serv.) Charts the beginner's course simply and in detail through the main steps in gardening. We see how to prepare the ground, how to plant various seeds, how far apart, and not too thick or deep, how and when to transplant, weed, stake, and harvest. (49 frames: Single, \$0.60; double, \$1.)

Orchards

Soil erosion and its control in orchards. No. 611. Released April 1941. (SCS; Ext.) For description of slidefilm, see SOIL CONSERVATION, General. (38 frames: Single, \$0.60; double, \$1.)

INSECTS

General

Insects, their growth and structure. No. 399. Released April 1936. (EPQ; Ext.) Drawings show types and kinds of insects, the external anatomy, the internal anatomy in general, and some life cycles. (44 frames, \$0.60.)

Bee Culture

Anatomy of the honeybee, The. No. 151. Revised September 1939. (EPQ; Ext.) Detailed structure of the parts of worker, queen, and drone as an aid in knowing bee culture and activity. (33 frames: Single, \$0.60; double, \$0.90.)

Diagnosis of bee diseases in the apiary. No. 171. Slightly revised June 1942. (EPQ; Ext.) The symptoms of the different diseases of bees distinguished in the apiary and methods of control are shown and discussed. This slidefilm is intended for extension workers, State apiary inspectors, and instructors in apiculture. Workers thoroughly familiar with bee diseases can substitute their own notes. (58 frames, \$0.65.)

First lessons in beekeeping. No. 346. Slightly revised October 1941. (EPQ; Ext.) Standard equipment and practical method of handling bees for production of honey for home use. (45 frames, \$0.60.)

Transferring bees to movable-frame hives. No. 616. Released May 1942. (EPQ; Ext.) The honey supply of this country can be greatly increased if bees are handled by modern methods. Here we follow through in detail the method of transferring bees from box hives and log "gums" to modern movable-frame hives, from the beginning of smoking and drumming out the bees, cutting combs to be moved, care in handling, use of modern equipment, to the final views in the slidefilm - an apiary built for northern winter and how to shelter it from the wind. (36 frames: Single, \$0.60; double, \$1.)

Crop Insects

Chinch bugs and how they are controlled. No. 551. Released February 1939. (EPQ; Ext.) Life stages and habits of the insect, damage it does, and how it may be controlled. (36 frames, \$0.60.)

Grasshoppers and their control. No. 360. Released April 1935. (EPQ; Ext.) Several kinds of common grasshoppers, stages of their incomplete life cycle, and examples of their damage. The insect is controlled by natural enemies and by poisoning with a prepared bait. (41 frames, \$0.60.)

Hessian fly and its control, The. No. 407. Revised June 1947. (EPQ; Ext.) This popular slidefilm has been revised for better visual presentation. It gives the history and life habits of the hessian fly and recommends measures for control. It would be of greatest usefulness in winter wheat growing regions. (33 frames: Single, \$0.60; double, \$0.90.)

Insect pests of garden vegetables and their control. No. 503. Released April 1938. (EPQ; Ext.) You see life stages and plant injury of many common insects of the two general types, classified according to mouth parts. Clean up crop refuse promptly, spray and dust to control these pests. (63 frames, \$0.65.)

Pests of Livestock and Man

Cattle grubs, or heel flies. No. 637. Released 1942. (EPQ; Ext.) Only in its grub stage, at the end of its 9-month journey through an animal's body tissues, can this pest be destroyed. Here you see various controls applied, some best for farm herds, others for range. You also see seasonal and life cycles, attack on cattle and their defense, close-ups, and distribution. (33 frames: Single, \$0.60; double, \$0.90.)

Horse bots and how to fight them. No. 405. Released March 1936. (EPQ; Ext.) Three kinds of the botflies and their life cycles. Protect horses from flies and control bots through community action. (39 frames, \$0.60.)

Housefly and its control, The. No. 681. Released October 1947. (EPQ; Ext.) Shows ways and means of reducing large numbers of flies by eliminating breeding places and destroying the insects and larvae by modern chemical insecticides. (34 frames: Single, \$0.60; double, \$0.90.)

LIVESTOCK

Animal Diseases and Pests

Brucellosis of cattle (Bang's disease). No. 632. Released June 1942. (BAI; Ext.) Gives the history, symptoms, and causes of brucellosis, and control methods. This disease is also known as infectious or contagious abortion, and abortion disease. Self-explanatory. (48 frames: Single, \$0.60; double, \$1.)

Cattle grubs, or heel flies. No. 637. Released 1942. (EPQ; Ext.) For description of slidefilm, see INSECTS, Pests of Livestock and Man. (33 frames: Single, \$0.60; double, \$0.90.)

Eradicating tuberculosis from livestock and poultry. No. 515. Released March 1939. (BAI; Ext.) Types of tubercle bacilli that cause disease in farm animals; animals are tuberculin tested; effects of the disease and its prevention. (36 frames, \$0.60.)

Eradication of foot-and-mouth disease in the United States. No. 683. Released January 1948. (BAI; Ext.) Depicts symptoms in order to aid the farmer in recognizing the disease. The slidefilm also shows the need for drastic steps in destroying diseased animals, cleaning and disinfecting premises, and reporting suspected cases to livestock authorities. (33 frames: Single, \$0.60; double, \$0.90.)

Trichinosis, a disease easily prevented. No. 573. Released October 1939. (BAI; Ext.) Stages of the parasite, causes of the disease, its spread and prevention. (31 frames, \$0.60.)

Breeding

Some principles of breeding demonstrated with the herodiscope. No. 278. Revised May 1942. (BDI; Ext.) For description of slidefilm, see DAIRYING. (40 frames, \$0.60.)

Dairy Cattle

Feeding and care of the dairy calf. No. 623. Released March 1942. (BDI; Ext.) For description of slidefilm, see DAIRYING. (49 frames, \$0.60.)

Horses and Mules

Horse bots and how to fight them. No. 405. Released March 1936. (EPQ; Ext.) For description of slidefilm, see INSECTS, Pests of Livestock and Man. (39 frames, \$0.60.)

Poultry

Eradicating tuberculosis from livestock and poultry. No. 515. Released March 1939. (BAI; Ext.) For description of slidefilm, see LIVESTOCK, Animal Diseases and Pests. (36 frames, \$0.60.)

National poultry improvement plan, The. No. 413. Released April 1938. (BAI; Ext.) Any flock owner, hatcheryman, or breeder may participate in this plan through his official State agency to improve breeding and production qualities; identify these qualities with uniform terminology. Control pullorum disease. How flocks may meet the requirements of the three pullorum-control classes and the five progressive breeding stages is shown by readers, table, and photographs. (48 frames, \$0.60.)

Selecting hens for egg production. No. 126. Revised May 1940. (BAI; Ext.) You see how to tell the laying hen from the nonlayer, how molting and bleaching index egg production, how to improve the flock by selecting and breeding. (55 frames, \$0.65.)

Standard breeds of poultry. No. 133. Revised April 1940. (BAI; Ext.) Standard varieties of poultry, male and female, and the parts of fowls named. There are a few pictures of breeds of geese, ducks, turkeys. (48 frames, \$0.60.)

Rabbits

Rabbit raising. No. 685. Released August 1949. (BAI; Ext.) Presents information on desirable practices for breeding and feeding the domestic rabbit, and marketing its meat, pelts, and wool. This information will be suitable for the small back-yard rabbitry or for the full-time operator. (50 frames, double, \$1.)

Sheep

Breeds of sheep. No. 141. Revised July 1939. (BAI; Ext.) Several breeds of sheep classified on the basis of fine, medium, and coarse wool, and Karakul fur. (56 frames, \$0.65.)

Swine

Breeds of swine. No. 44. Revised January 1940. (BAI; Ext.) Several types and breeds of swine commonly used in producing market hogs in the United States. Lard and bacon types are compared. (33 frames, \$0.60.)

Hog houses and equipment. No. 53. Revised March 1940. (BAI; Ext.) A-type and box-type houses, loading chutes, feeders, and other equipment and their construction. (30 frames, \$0.60.)

Selecting and judging breeding hogs. No. 142. Revised April 1939. (BAI; Ext.) Certain points are observed in scoring the various parts of the two types of hogs (lard type and bacon type) raised in this country. (31 frames, \$0.60.)

MARKETING

Crops of the Americas. No. 684. Released March 1948. (FAR; Ext.) Designed to depict the wide variety of products of South America and Central America that are used in exchange in commerce with the United States. (41 frames: Single, \$0.60; double, \$1.)

Federal meat inspection. No. 466. Reissued January 1945. (WFA; Ext.) Contrasts conditions that may exist where Federal meat inspection is not practiced with the methods of Government inspection by following through the work of Federal officials, observing the live animals, and after slaughter inspecting carcasses and parts, the stamping and tagging, the cooling and cutting up of carcasses, and the trimming, packing, and shipping. (42 frames, \$0.60.)

Marketing of eggs in the United States; The. No. 271. Revised March 1938. (BAE; Ext.) Eggs are weighed, graded, packed, and stored; they are shipped by express, truck, and freight; four principal U. S. grades of eggs. (53 frames, \$0.65.)

Roadside marketing. No. 273. Revised June 1939. (Mich. and N. Y. State Cols. Agr.; Mass. and N. J. State Depts. of Agr.; Univ. N. H.; Ext.) We see several kinds of roadside stands and how they may be made attractive with respect to location, display, signs, and advertising. Charts of data from a number of stands show distribution of a day's sales, of the days of the week, of the months of the year, and of a year. (51 frames, \$0.65.)

MISCELLANEOUS

America (My country, 'tis of thee). No. 673. Released January 1947. (Ext.) Illustrates one of our Nation's great songs, which is often used by the 4-H Clubs. America was first sung in Boston by school children on Independence Day, 1832. This song is an expression of some of our national ideals. (27 frames, \$0.60.)

Circular letters. No. 667. Released March 1946. (Ext.) Serves as part of a teaching kit on circular letters for use by extension editors with audiences of extension workers. The slidefilm was designed as an introduction to a discussion or workshop on circular letters, to implant one practical idea—that circular letters, like personal letters and radio scripts, are more readable, more interesting, and more convincing if they are just plain talk. (53 frames, double, \$1.25.)

Birds—their value to agriculture. No. 675. Released June 1947. (Ext.; Fish and Wildlife Serv., Dept. Int.) Depicts life and habits of birds and their economic value due to their use of insects as food. The slidefilm shows means and provision for protection and emergency feeding. (61 frames: Single, \$0.65; double, \$1.25.)

- Colonial home industries. No. 517. Released April 1939. (U. S. Natl. Mus.; Ext.) Briefly traces the development of the home textile industry and early home equipment to present-day handicrafts. Some patterns designed by homemakers through the years. (60 frames, \$0.65.)
- Crop reporting in the United States. No. 687. Released September 1950. (BAE; Ext.) Compilation based on farmer questionnaires regarding acreage, production, livestock, and other farm produce, and cost for supplies and labor. Reduction of risk for farmers in buying, selling, and handling farm produce. (34 frames: Single, \$0.60; double, \$0.90.)
- Crops of the Americas. No. 684. Released March 1948. (FAR; Ext.) For description of slidefilm, see MARKETING. (41 frames: Single, \$0.60, double, \$1.)
- Farm photography. No. 677. Released June 1947. (Ext.) Based on an exhibit of photographs, Tricks of the Trade. The slidefilm illustrates ideas gathered during years of experience in photography. It can be adapted to general photographic work. (28 frames: Single, \$0.60; double, \$0.90.)
- George Washington, the farmer. No. 277. Released January 1932. (U. S. George Washington Bicentennial Comm.; Ext.) Prepared in celebration of the two hundredth anniversary of the birth of George Washington. Phases of his early life and his home surroundings as a country gentleman. (74 frames, \$0.70.)
- Historic rural homes. No. 334. Released December 1936. (Ext.) Farm homes of interest because of their historic and architectural values and their association with leaders in American farming. (48 frames, \$0.60.)
- Homemaking in colonial days. No. 555. Released April 1939. (Ext.) Early American home furniture and utensils, with views of early interiors and of modern conveniences. (64 frames, \$0.65.)
- On the trail of George Washington. No. 299. Released August 1932. (U. S. George Washington Bicentennial Comm.; Natl. Park Serv., Dept. Int.; Ext.) Prepared in celebration of the two hundredth anniversary of George Washington's birth. Made up of scenes associated with the life of Washington from the time of his birth through youth, Mount Vernon days, the war, and the early years of the Nation. (75 frames, \$0.70.)
- Production of maple syrup, The. No. 682. Released February 1948. (Ext.) Shows the value of maple-syrup production in the United States, and something of the process used. (59 frames: Single, \$0.65; double, \$1.25.)
- Rural colonial and early American homes and gardens. No. 331. Released June 1936. (Ext.) Exteriors and interiors of a variety of American homes of interest because of their historic and architectural values. (63 frames, \$0.65.)

Thomas Jefferson, the farmer. No. 653. Released June 1944. (BAE; Ext.) Jefferson was the first to become interested in many phases of the work now pursued by the United States Department of Agriculture and the land-grant colleges for the general welfare. Agriculture is the basis of his philosophy and the source of his strength. His enunciation of the principles of the importance of agriculture to the Nation's economy; his deep love of farming; his never-ending search for improved methods, labor-saving implements and machines, and better crops and livestock; his views on agricultural education, experimentation, and cooperative action. (63 frames: Single, \$0.65; double, \$1.25.)

PLANT DISEASES

Diseases of cabbage and related crops. No. 406. Released April 1936. (Cornell Univ.; Ext.) Photomicrographs, tables, charts, photographs, and readers show causes and effects of the diseases and how they may be controlled. (53 frames, \$0.65.)

Larger barley profits through scab and blight control. No. 355. Released May 1935. (Univ. Wis.; PISAE; Ext.) You see the importance of the crop and of blight diseases, their effect on various cereals, the life story of causative fungi, the effects on livestock of feeding blighted grain, and control practices. (48 frames, \$0.60.)

Nature of plant diseases, The. No. 165. Revised January 1939. (W. Va. Univ.; PISAE; Ext.) As you see the structure and development of fungi you understand how they cause diseases of various parts of cultivated plants and methods of control. (47 frames, \$0.60.)

Treat seed grain. No. 459. Released January 1938. (PISAE; Ext.) Shows diseases of cereals and how they are spread. Control these diseases by preventive cleaning and treating of seed grain. (56 frames, \$0.65.)

RURAL ELECTRIFICATION

Electric power serves the farm. No. REA-2 (REA) Electricity on the farm at small cost has wide uses, from making possible hot running water and the latest home conveniences to providing a movable motor and other farm labor-saving devices. (50 frames, \$0.60.)

New rural school, The. No. REA-5. (REA) Applied electricity in the rural school brings new interests and qualifies students through practical knowledge of use of tools and equipment to meet conditions in the modern home, the farm, and the shop. (41 frames, \$0.60.)

Running water for the farm. No. REA-6. (REA) Water under pressure brings economic and social benefits to farm and home. (44 frames, \$0.60.)

SAFETY

Do you know? A picture quiz on farm safety. No. 665. Released 1945. (U. S. Dept. Agr.; Natl. Safety Council.) Designed to prevent accidents in the farm home and on the farm. This slidefilm can be used in any of three ways: (1) As a regular slidefilm, (2) as a discussion guide, or (3) as a safety quiz. (28 frames, \$0.60.)

SOIL CONSERVATION

General

Establishment and maintenance of grassed waterways. No. 559. Released June 1939. (SCS; Ext.) Gullies cause destruction. Slope and seed them to serve as waterways. (29 frames, \$0.60.)

Farm and the farm woods, The. No. 622. Released January 1942. (SCS; Ext.) The farm woods are as much a crop-producing unit as any other part of the farm, and with proper care and management yield high-quality products for home use and for sale. (48 frames: Single, \$0.60; double, \$1.)

Farm to fit your land. No. 676. Released June 1947. (SCS; Ext.) For description of slidefilm, see FARMING, General. (62 frames: Single, \$0.65; double, \$1.25.)

First things first. No. 640. Released January 1943. (SCS; Ext.) This slidefilm on contouring shows how the grassing of waterways controls erosion. Contouring holds run-off on land of gentle slope; grassed waterways direct it on greater slopes. (25 frames, \$0.60.)

Raindrops and erosion. No. 672. Released February 1947. (SCS; Ext.) Designed to show results of research relating to damage caused by raindrops beating on soil. This slidefilm is based on experiments conducted by W. D. Ellison, of the Soil Conservation Service. It illustrates raindrops as a primary cause of destruction of topsoil. It depicts many of the processes of raindrop action, and discusses their effects in destroying soil fertility, causing flood runoff, and accelerating harmful silt accumulation in streams and reservoirs. (50 frames: Single, \$0.60; double, \$1.)

Soil and water conservation by the beaver. No. 502. Released October 1938. (SCS; Ext.) The history, habits, and economic relations of the beaver, with particular reference to farm and forest lands. New colonies are established by live-trapping and transplanting. (48 frames, \$0.60.)

Soil conservation benefits wildlife. No. 558. Released March 1939. (SCS; Ext.) Nature reclaims areas saved by soil conservation and so provides cover for game, fish, and wildlife. (31 frames, \$0.60.)

Soil erosion and its control in orchards. No. 611. Released April 1941.

(SCS; Ext.) Run-off and wind ruin orchards by gullying and by drifting soil. Control such erosion by proved practices and use of brush mulch. (38 frames: Single, \$0.60; double, \$1.)

Soil erosion in the United States. No. 467. Released October 1937. (SCS; Ext.) Man-made erosion causes vast losses in land and crops and lowers living standards. (48 frames, \$0.60.)

Tree planting and land use. No. 620. Released November 1941. (SCS; Ext.) Mistakes in land use result in loss of yields and soil, but ruined land may still be made useful with plantings adapted to sites and proper care as they develop. (54 frames: Single, \$0.65; double, \$1.25.)

Wild fruits for soil conservation. No. 668. Released June 1946. Ext.; SCS) Shows how some eroded and odd areas of wasteland can be used to produce edible fruits for improved human nutrition. In such areas family diet lacks the fruits needed for adequate nutrition. But in these areas native or adopted fruits could be produced on waste acreage and serve for both land protection and food. (36 frames: Single, \$0.60; double, \$1.)

Wildlife and soil conservation. No. 670. Released January 1947. (Ext.; SCS) An abundance of songbirds, game, fur-bearing animals, and other types of wildlife makes farms more valuable and farm life more enjoyable. Wildlife helps to protect crops against pests, provide sport and recreation for the farm family and their friends, add delicious variety to the farm fare, and in some instances may have a real market value. This slidefilm was prepared to show how farmers, with these benefits in mind, can increase and protect wildlife by improving their land pattern to provide travel lanes and grow suitable vegetation on wasteland, which when properly planted will provide shelter and food for wildlife. (58 frames: Single, \$0.65; double, \$1.25.)

Regional

Corn Belt farmers fight erosion. No. 572. Released September 1939. (SCS; Ext.) Control of erosion by means of contour farming, terracing, rotation planting, diversion drainage, and check dams. (43 frames, \$0.60.)

Frontiers of grass; a story of the western range. No. 585. Released December 1939. (AAA; Ext.) Development and decline of the western range. The AAA range-conservation program helps ranchers to restore and protect grazing and provide watering places. (64 frames, \$0.65.)

Irrigation--lifeblood of the West. No. 680. Released December 1947. (SCS; Ext.) For description of slidefilm, see FARMING, General. (56 frames: Single, \$0.65; double, \$1.25.)

Wildlife management through soil conservation in the Northeast. No. 562. Released July 1939. (SCS; Ext.) Engineering practices and planting save land and make useless land a refuge and source of feed for wildlife. (50 frames, \$0.60.)

Wind erosion; its control on the southern Great Plains. No. 456. Released December 1937. (SCS; Ext.) Erosion starts in a number of ways and leaves a varied and tragic trail. Prevent and control it by practices that save rainfall and soil. (45 frames, \$0.60.)

WILDLIFE

Soil and water conservation by the beaver. No. 502. Released October 1938. (SCS; Ext.) For description of slidefilm, see SOIL CONSERVATION, General. (48 frames, \$0.60.)

Soil conservation benefits wildlife. No. 558. Released March 1939. (SCS; Ext.) For description of slidefilm, see SOIL CONSERVATION, General. (31 frames, \$0.60.)

Wildlife and soil conservation. No. 670. Released January 1947. (Ext.; SCS) For description of slidefilm, see SOIL CONSERVATION, General. (58 frames: Single, \$0.65; double, \$1.25.)

Wildlife management through soil conservation in the Northeast. No. 562. Released July 1939. (SCS; Ext.) For description of slidefilm, see SOIL CONSERVATION, Regional. (50 frames, \$0.60.)

COLOR SLIDEFILMS

- The 1949 National 4-H Club Camp. No. C-1. Released June 1949. (Ext.)
High lights of the program for the 4-H delegates in Washington for the nineteenth club camp. (60 frames; Double, \$6.50.)
- A step-saving U kitchen. No. C-2. Released September 1949. (BHNHE; Ext.)
Details of the step-saving U kitchen, which was built in the laboratories of the Bureau of Human Nutrition and Home Economics, USDA, and designed according to work simplification principals. (40 frames; Double, \$5.50.)
- Diseases of vegetables. No. C-3. Released May 1949. (Ext.) Depicts some of the common diseases of vegetables, pointing out symptoms and showing effects of the diseases on vegetables and plants. (103 frames; Double, \$9.50.)
- Diseases of cereals. No. C-4. Released May 1949. (Ext.) Illustrates some of the common diseases of cereals, depicting the symptoms and effects of the diseases on plants. (81 frames; Double, \$8.50.)
- Diseases of fruits. No. C-5. Released May 1949. (Ext.) Depicts some of the common diseases of fruits, showing injury to fruits and plants. (53 frames; Double, \$6.50.)
- Insect pests of vegetables. No. C-6. Released May 1949. (Ext.) Depicts some of the common insect pests of vegetables and gives suggestions for their control. (35 frames; Double, \$4.50.)
- Crops of the Americas. No. C-7. Released September 1949. (FAR; Ext.)
Designed to depict the wide variety of products of South America and Central America that are used in exchange in commerce with the United States. (44 frames; Double, \$5.50.)
- Know your land. No. C-8. Released December 1949. (SCS; Ext.) Shows a practical land classification that will indicate the best land use and treatment for the various areas of the farm. (45 frames; Double, \$5.50.)
- Grain inspection methods. No. C-9. Released April 1950. (Ext.) The Grain Grading Primer, M.P. 325 of the U. S. Department of Agriculture, describes in considerable detail the grain inspection methods that are taken up in this slidefilm. Frames are shown in the usual order in which samples are handled in grain inspection. In practice, the order varies with the kind of grain. (28 frames; Double, \$4.50.)
- Types of damaged kernels and other conditions. No. C-10. Released April 1950. (Ext.) Shows corn and soybean classes and some of the various types of damaged kernels found in commercial lots of wheat, corn, and soybeans. (33 frames; Double, \$4.50.)

Wheat kernel classes and varieties. No. C-11. Released April 1950. (Ext.) Shows some of the head and kernel characteristics of wheat, with special reference to the Hard Red Winter class. (43 frames: Double, \$5.50.)

Measuring home management. No. C-12. Released June 1950. (Mich. St. Col.; Ext.) Based on research work reported in Circular Bulletin 211 and Experiment Station Folder 6. Shows the importance of proper home management and the establishment, through research, of a standard by which the managerial ability of a homemaker could be measured. (50 frames: Double, \$5.50.)

Fitting dresses. No. C-13. Released October 1950. (BHNHE; Ext.) Instructs women in making simple alterations for correction of the more common dress-fitting problems. (31 frames: Double, \$4.50.)

What puts a 4-H girl "in"? Released October 1950. (Ext.) Shows how the 4-H girl meets the problems of proper fitting and selection of dresses and accessories, and tips on improving personal appearance. (34 frames: Double, \$4.50.)

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